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Docket No.: 022290.0122PTUS
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
You-Ping Chan et al.

Application No.: 10/516,733

Confirmation No.: 8573

Filed: October 3, 2005

Art Unit: 1654

For: POLYAMINOACIDS FUNCTIONALIZED BY ALPHA TOCOPHEROL AND USES THEREOF, PARTICULAR FOR THERAPEUTIC APPLICATIONS

Examiner: D. Lukton

RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Non-final Office Action, mailed February 5, 2007, Applicants hereby amend the claims in the above-identified U.S. patent application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

- cations based on amino acid(s) advantageously chosen from the class comprising cations based on lysine or arginine,

- or cationic polyamino acids advantageously chosen from the subgroup comprising polylysine or oligolysine;

- R^4 represents a direct bond or a "spacer" based on 1 to 4 amino acid units;
- A independently represents a $-CH_2-$ (aspartic unit) or $-CH_2-CH_2-$ (glutamic unit) radical;
- n/ (n+m) is defined as the molar degree of grafting and ranges from 0.5 to 100 mol%;
- n+m ranges from 3 to 1000 and preferably between 30 and 300;
- T represents an α-tocopherol unit.

3. (Original) The polyamino acid as claimed in claim 1 or 2, characterized in that the α-tocopherol is of natural origin.

4. (Original) The polyamino acid as claimed in claim 1 or 2, characterized in that the α-tocopherol is of synthetic origin.

5. (Original) The polyamino acid as claimed in claim 2, characterized in that it consists of an α-L-glutamate or α-L-glutamate homopolymer.

6. (Original) The polyamino acid as claimed in claim 2, characterized in that it consists of an α-L-aspartate or α-L-aspartic homopolymer.

7. (Previously Presented) The polyamino acid as claimed in claim 2, characterized in that it consists of an α-L-aspartate/α-L-glutamate or α-L-aspartic/α-L-glutamic copolymer.

8. (Currently Amended) The polyamino acid as claimed in [any one of claims 1 to 7] claim 1 or 2, characterized in that the distribution of the aspartic and/or glutamic units bearing grafts comprising at least one α-tocopherol unit is such that the polymers thus composed are either random, or of block type, or of multiblock type.

9. (Currently Amended) The polyamino acid as claimed in [any one of claims 1 to 8] claim 1 or 2, characterized in that their molar mass is between 2000 and 100 000 g/mol [and preferably between 5000 and 40 000 g/mol].